

# AccuVert™ HIV-1 Seroconversion Panel

0600-0291 / Batch #10602862

## OVERVIEW

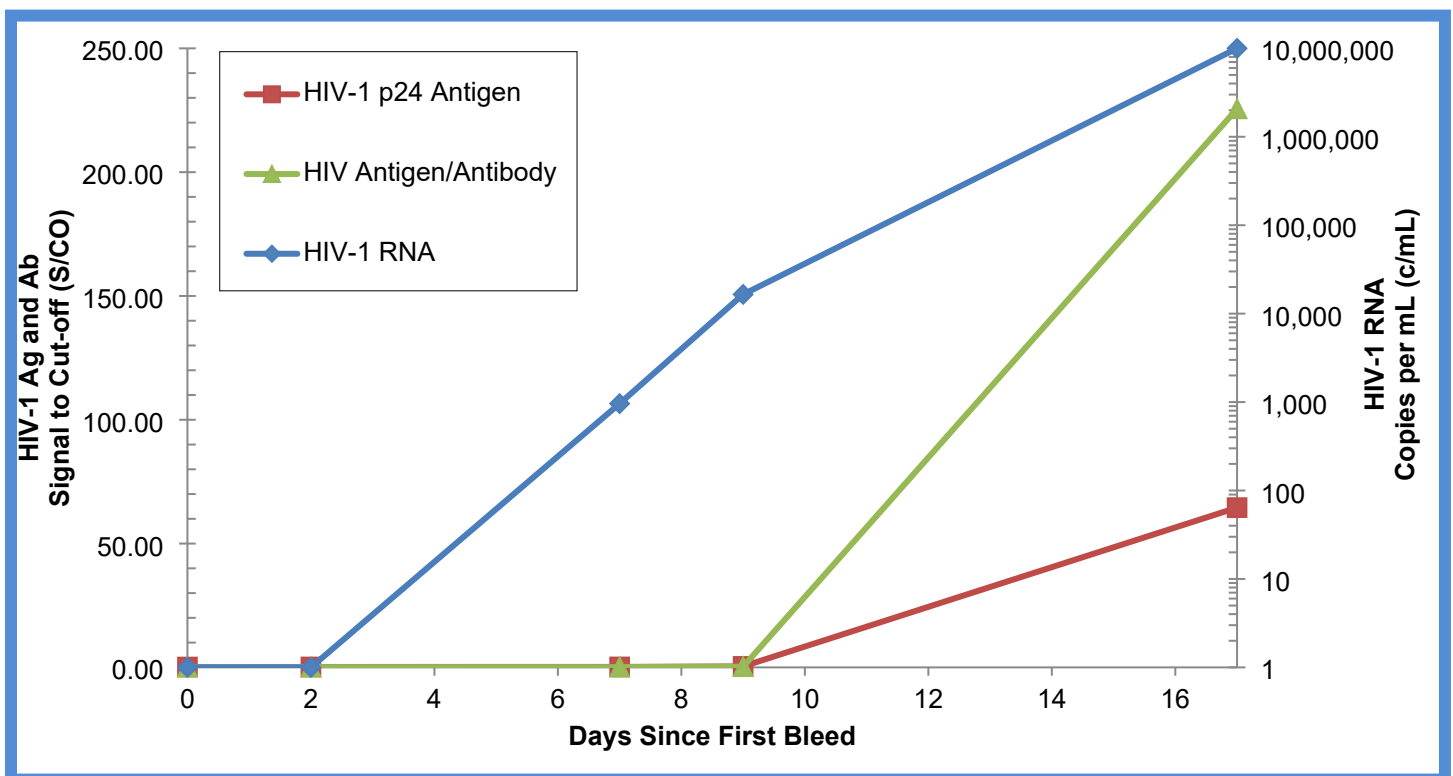
AccuVert™ HIV-1 Seroconversion Panel 0600-0291 / Batch #10602862 is a 5-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial) collected from an HIV-1 donor. Panel members represent serial bleeds collected from a single donor over 17 days in 2000 during the development of an HIV infection and subsequent response. Each sample represents a single collection event. No preservatives were added.

Test results from commercially-available HIV assays are included for characterization of the panel members. This panel of human plasma samples demonstrates a change of expression from negative to positive for HIV-1 antigen and antibodies during the development and progression of an HIV infection.

For Research Use Only. Not for use in diagnostic procedures. Data are offered for informational purposes. LGC/SeraCare Life Sciences does not claim that others can duplicate test results exactly.

CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for markers of HIV infection; all were found negative for HBsAg and anti-HCV. This does not ensure the absence of these or other human pathogens.

AccuVert™ HIV-1 Seroconversion Panel



This graph demonstrates the evolution of early HIV infection amongst panel members from the Perkin Elmer (HIV-1 p24 Antigen), Abbott ARCHITECT (HIV-1 Antigen/Antibody), and Roche COBAS (HIV-1 RNA) test methods.

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## Panel Member Information

Panel Member	SeraCare Batch #	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Fiebig Stage <sup>1</sup>
01	9118512	21-Mar-2000	0	NA
02	9118511	23-Mar-2000	2	NA
03	9118510	28-Mar-2000	7	I
04	9118509	30-Mar-2000	9	I
05	9118508	07-Apr-2000	17	II

<sup>1</sup> Fiebig stages are categories that define phases of early HIV infection. See Fiebig EW, et al. Dynamics of HIV viremia and antibody seroconversion in plasma donors: implications for diagnosis and staging of primary HIV infection. AIDS 2003, 17:1871-9, and Lee HY, et al. Modeling sequence evolution in acute HIV-1 infection. JTB 2009, 261:341-360.

NA = Not Available

## HIV RNA and HIV Antigen Assays

Panel Member	Roche COBAS® AmpliPrep/COBAS® TaqMan HIV-1 Test v2.0 (copies/mL) <sup>1</sup>	PerkinElmer HIV-1 p24 ELISA (S/CO) <sup>1</sup>
	01	TND
02	TND	0.17
03	<b>9.61 x 10<sup>2</sup></b>	0.19
04	<b>1.65 x 10<sup>4</sup></b>	0.40
05	<b>&gt;1.00 x 10<sup>7</sup></b>	<b>&gt;64.52</b>
Test Date	14-Mar-2022	15-Mar-2022
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	H22933	990-22041
Kit Exp. Date	30-Apr-2023	1-Nov-2022

<sup>1</sup>Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

SC = SeraCare; RL = Reference Lab; NA = Not Available

TND=Target Not Detected

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## HIV Antigen/Antibody Assays

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) <sup>1</sup>	Abbott Alinity s HIV Ag/Ab Combo (S/CO) <sup>1</sup>	Roche cobas® Elecys HIV Duo (COI) <sup>1</sup>		Ortho VITROS HIV combo (S/CO) <sup>1</sup>
			HIV-1 p24 Ag	HIV-1/2 Ab	
01	0.10	0.07	0.16	0.09	0.11
02	0.08	0.07	0.16	0.09	0.11
03	0.10	0.09	0.18	0.09	0.12
04	0.28	0.24	0.44	0.09	0.25
05	<b>225.56</b>	<b>205.3</b>	<b>373.00</b>	0.09	<b>373.50</b>
Test Date	7-Mar-2022	4-Mar-2022	24-Mar-2022		10-Mar-2022
Test Site	SC	RL	RL		RL
Kit Part Code	2P36	NA	NA		NA
Kit Lot No.	34163BE00	311914BE00	557282		0360
Kit Exp. Date	7-Jul-2022	29-Aug-2022	31-Oct-2022		12-Jan-2023

<sup>1</sup>Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.  
SC = SeraCare; RL = Reference Lab; NA = Not Available

## HIV Antigen/Antibody, HIV Antibody Assays

Panel Member	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO) <sup>1</sup>	Avioq HIV-1 Microelisa System (S/CO) <sup>1</sup>	Siemens ADVIA Centaur® HIV Ag/Ab Combo (Index) <sup>1</sup>
02	0.13	0.24	<0.05
03	0.13	0.25	<0.05
04	0.11	0.25	0.19
05	0.96, <b>1.03*</b>	0.26	<b>&gt;12.00</b>
Test Date	9-Mar-2022	8-Mar-2022	7-Mar-2022
Test Site	SC	SC	RL
Kit Part Code	32588	100384	NA
Kit Lot No.	156RBB-05	21104H	308
Kit Exp. Date	30-Apr-2022	2-May-2023	30-May-2022

<sup>1</sup>Results are reported as the mean result of duplicate testing.  
\*Interpretation variability based on duplicate testing, individual replicates reported.  
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HIV Rapid Tests

Panel Member	Alere Determine™ HIV-1/2 Ag/Ab Combo <sup>1</sup>		OraSure OraQuick Advance® Rapid HIV-1/2 Antibody Test <sup>1</sup>
	HIV Ag	HIV Ab	HIV-1/2 Ab
01	NEG	NEG	NEG
02	NEG	NEG	NEG
03	NEG	NEG	NEG
04	NEG	NEG	NEG
05	<b>POS</b>	NEG	NEG
Test Date	3-Mar-2022		14-Mar-2022
Test Site	SC		SC
Kit Part Code	7D2648		1001.0079
Kit Lot No.	167412		0006684580
Kit Exp. Date	28-Jan-2023		31-Aug-2023

<sup>1</sup>Results are reported as singlicate testing; positive/reactive results are noted in bold red.

SC = SeraCare

POS = Positive; NEG = Negative

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## HIV Confirmatory Assay

### Bio-Rad Genetic Systems™ HIV-1 Western Blot<sup>1</sup>

Panel Member	Band Pattern	Interpretation
01	No Bands	NEG
02	No Bands	NEG
03	No Bands	NEG
04	No Bands	NEG
05	No Bands	NEG
Test Date	8-Mar-2022	
Test Site	SC	
Kit Part Code	32508	
Kit Lot No.	64456713	
Kit Exp. Date	1-Sep-2022	

<sup>1</sup>Results are reported as singlicate testing.

SC = SeraCare  
NEG = Negative

## HIV Confirmatory Assay (continued)

### INNOGENETICS® INNO-LIA™ HIV I/II Score<sup>1</sup>

#### Band Results

Panel Member	HIV-1/2 Antibody Interpretation	sgp120	gp41	p31	p24	p17	sgp105	gp36
01	NEG	-	-	-	-	-	-	-
02	NEG	-	-	-	-	-	-	-
03	NEG	-	-	-	-	-	-	-
04	NEG	-	-	-	-	-	-	-
05	NEG	-	-	-	-	-	-	-
Test Date	15-Mar-2022							
Test Site	RL							
Kit Part Code	NA							
Kit Lot No.	409067							
Kit Exp. Date	31-Aug-2022							

<sup>1</sup>Results are reported as singlicate testing.

RL = Reference Lab; NA = Not Available  
NEG = Negative

The package insert for this panel can be found at  
[www.seracare.com](http://www.seracare.com).

A printed copy of the package insert or data sheet may  
be requested by email at [CDx-Info@LGCGroup.com](mailto:CDx-Info@LGCGroup.com) or  
by phone at 508.244.6400.